

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

Claims 1-28 (Cancelled):

29. (New): A continuous web of electrochemical sensors, said electrochemical sensors being adapted for the detection of glucose in blood said continuous web comprising:
- a plurality of first and second electrodes screen printed in a linear array on a continuous sheet of flexible substrate material;
  - a reagent layer screen printed over said web such that said reagent covers at least one of said first and second electrodes of each of said pair of electrodes;
  - a sealing layer positioned over said reagent layer and said electrodes to form a sample receiving chamber.
30. (New): The sensor according to claim 29, wherein said reagent layer comprises glucose oxidase.
31. (New): The sensor according to claim 30, further comprising an electron transfer mediator.
32. (New): The sensor according to claim 31, wherein the electron transfer mediator is selected from the group consisting of ferricyanide, metallocene compounds, quinines, phenazinium salts, redox indicator DCPIP, and imidazole-substituted osmium compounds.
33. (New): The sensor according to claim 32, wherein the sensor comprises electrodes selected from the group consisting of carbon electrodes and electrodes formed from platinized carbon, gold, silver, and mixtures of silver and silver chloride.